## RECEIVED **CENTRAL FAX CENTER**

MAY. 23. 2005 1:37PM TTC-PA 650-326-2422

NO. 1567 P. 1/18

MAY 2 3 2005

					PTO/SB/21 (04-04)
		,	Application Number	08	9/724,288
TI	RANSMITTAL		Filing Date	No	ovember 28, 2000
	FORM	T	First Named Inventor	S	chenk, Dale B.
(to be used for all correspondence after initial filing)			Art Unit	16	647
			Examiner Name	Tu	urner, S. L.
Total Number of	Pages in This Submission	18	Attorney Docket Number	15	5270J-004765US
		ENCL	OSURES (Check all th	at appi	
Communi A A A Extension Express A Supplement Disclosure Statem (2 pgs.); PTO/SB/ reference no. 580 Certified ( Documen Response	Copy of Priority	Pri Pri Cci	rawing(s) censing-related Papers etition etition to Convert to a rovisional Application ower of Attorney, Revocation hange of Correspondence Ade erminal Disclaimer equest for Refund  D, Number of CD(s)  The Commissioner is Account 20-1430.		After Allowance Communication to Technology Center (TC) Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below):
im r ndividual name	Townsend and Towns Resemanie L. Celli	send and C	Res		OR AGENT 42,397
Signature	Tosem	and	2 d Lel	<u>/_</u>	
ate	May 23, 2005				
	CI	RTIFICA	TE OF TRANSMISSIO	N/MA	ILING
hereby certify the April 29, 2005,					Trademark Office, Fax No. (703) 872-9306 on
yped or printed r	Same Christopher R. F	Filting /	1 /11		
		1	7 A		Date May 23, 2005
Signature		————			MAY 24 2005

						PTO/S	SB/17 (12-0
Fees pursuant to the Consolid	ive on 12/08/2: lated Appropria	004. Itions Act. 2005 (H.R. 481)	9).	Сотр	lete if Known		
FEE TR			Application Numb	er 09/72	24,288		
i .		<b></b>	Filing Date	Nove	mber 28, 2000		
For	FY 20	05	First Named Inve	ntor Sche	nk		
Applicant claims small of	entity status,	See 37 CFR 1,27	Examiner Name	Turne	er, S. L.		
TOTAL AMOUNT OF PAY			Art Unit	1647			
		) 180.00	Attorney Docket N	No. 1527	0 <b>J-00</b> 4765US		
METHOD OF PAYMENT							
		лопсу Order 🔲 N	one Other (ples	use identify):		•	
Deposit Account	eposil Accou	nt Number: _20-1430	Deposit Accour	 Name: <u>Town</u>	send and Townse	nd and Cre	W LLP
For the above-ider Charge fee(s		t account, the <b>Directo</b> r l	is hereby authorized to	: (check all th	at apply) ted below, except		
Charge any all under 37 CFR warning: Information on Ihle Information on Ihle Information and authorization	1.16 and 1.1	S) or underpayments of 17 come public. Credit card	fee(s) Credit	any avarona	anto		•
FEE CALCULATION					· · · · · · · · · · · · · · · · · · ·		<b>_</b>
1. BASIC FILING, SEAF			S				
	FILING	FEES S	EARCH FEES		TION FEES		
Application Type	Fee (\$)		Small Entity e (\$) Fee (\$)	Fee (\$) F	II Entity ee (\$)	Fees Paid	l (\$)
Utility	300	150	500 <b>2</b> 50	200	100		
Design	200	100	00 50	130	65		
Plant	200	100 3	00 150	160	80		—
Reissue	300	150 5	00 250	600	300		
Provisional	200	100	0 0	0	0		
-20 or HP = HP ■ highest number of total dair indep, Cfaims	r Reissucs, over 3 or, fo s Extra Claims	Fee (\$)  x \$ =   realer than 20  Fee (\$)	and more than in the ependent claim more so the Paid (\$)  So  So  So  So	e than in the	itent e original patent ependent Claims Fee Paid (\$	50 200 360	all Emity Fee (\$) 25 100 180
HP = highest number of Independ							
3. APPLICATION SIZE F If the specification and d for each additional 50 Total Sheets - 100 =	rawings exc	raction dicteor. Sec	aper, the application 35 U.S.C. 41(a)(1) each additional 50 or (round up to a whol	(G) and 37 ( <u>fraction the</u> r	CFR 1.16(s). gof Fee (\$)	for small  Fee Pake	
Non-English Specific	ation 61	30 fan (no	tore at a constant		•	Fees Pal	বে (\$)
Other: Information L	·	30 fee (no small ent	•		_	180.00	_
UBMITTED BY							
Signature	ema	ined lelli	Registration No. (Attorney/Agent) 42	,397	Telephone (6	50) 326-24	000
ame (Print/Type) Rosemari	e L. Cetli				Date May 23,	2005	

	this correspondence is being sent by facsimile amissioner for Patents at 703-872-9306
On	May 23, 2005
TOWNSEND and T	OWNSEND and CREW LIF
Bv:	Cl. 1. M

Attorney Docket No.: 15270J-004765US Client Reference No.: 209-US-CIP8BCS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DALE B. SCHENK et al.

Application No.: 09/724,288

Filed: November 28, 2000

For: PREVENTION AND TREATMENT OF AMYLOIDOGENIC DISEASE

Examiner: Sharon L. Turner

Art Unit: 1647

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of references 443-557 and 562-579 can be found in Application No. 09/322,289, filed May 28, 1999 (Attorney Docket No. 15270J-004740US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant also cites commonly owned copending applications directed to related subject matter:

09/201,430 filed 11/30/98 issued as U.S. 6,787,523 on 09/07/04; 09/497,553 filed 02/03/00:

PATENT

```
09/724,477 filed 11/28/00 issued as U.S. 6,787,143 on 09/07/04;
  09/723,927 filed 11/28/00 issued as U.S. 6,787,138 on 09/07/04;
 09/723,762 filed 11/28/00 issued as U.S. 6,787,144 on 09/07/04;
 09/724,102 filed 11/28/00 issued as U.S. 6,787,139 on 09/07/04;
 09/724,489 filed 11/28/00 issued as U.S. 6,787,140 on 09/07/04;
 10/816,022 filed 03/31/04 issued as U.S. 6,866,850 on 03/15/05;
 10/816,529 filed 03/31/04 issued as U.S. 6,818,218 on 11/16/04;
 10/815,391 filed 03/31/04 issued as U.S. 6,866,849 on 03/15/05;
 10/934,818 filed 09/02/04;
 10/934,609 filed 09/02/04 issue fee paid 01/24/05;
 10/933,559 filed 09/02/04 issue fee paid 01/24/05;
 10/934,819 filed 09/02/04;
 10/815,353 filed 03/31/04 issued as U.S. 6,808,712 on 10/26/04;
 10/816,380 filed 03/31/04 issue fee paid 01/24/05;
 10/815,404 filed 03/31/04 issue fee paid 11/12/04;
 09/322,289 filed 05/28/99;
09/723,713 filed 11/27/00:
09/723,760 filed 11/27/00;
09/724,319 filed 11/27/00;
09/723,384 filed 11/27/00 issued as U.S. 6,710,226 on 03/23/04;
09/724,495 filed 11/27/00;
10/788,666 filed 02/27/04;
10/429,216 filed 05/30/03;
10/828,548 filed 04/19/04;
10/923,471 filed 08/20/04;
10/923,474 filed 08/20/04:
10/928,926 filed 08/27/04;
10/923,605 filed 08/20/04;
10/923,267 filed 08/20/04;
10/923,469 filed 08/20/04;
```

**PATENT** 

```
09/580,015 filed 05/26/00;
  09/724,940 filed 11/28/00 issue fee paid 11/12/04;
  09/724,961 filed 11/28/00 issued as U.S. 6,743,427 on 06/01/04;
  09/580,018 filed 05/26/00 issued as U.S. 6,761,888 on 07/13/04;
  09/724,552 filed 11/28/00 issued as U.S. 6,750,324 on 06/15/04;
  09/723,544 filed 11/28/00;
  09/724,273 filed 11/28/00;
  09/724,551 filed 11/28/00 issued as U.S. 6,787,637 on 09/07/04;
  09/724,288 filed 11/28/00;
  10/777,792 filed 02/11/04;
  10/890,024 filed 04/12/04;
  10/889,999 filed 04/12/04;
 10/890,000 filed 07/12/04;
 10/890,070 filed 07/12/04;
 10/890,071 filed 07/12/04;
 09/580,019 filed 05/26/00;
 09/723,765 filed 11/28/00;
 09/724,291 filed 11/28/00:
 10/822,968 filed 04/12/04;
09/724,929 filed 11/28/00;
09/724,567 filed 11/28/00 issued as U.S. 6,890,535 on 05/10/05;
09/724,575 filed 11/28/00;
09/724,953 filed 11/28/00 issued as U.S. 6,875,434 on 04/05/05;
09/724,570 filed 11/28/00 issue fee paid 02/10/05;
09/585,656 filed 06/01/00;
09/723,766 filed 11/27/00;
09/723,725 filed 11/27/00;
09/579,690 filed 05/26/00;
09/979,701 filed 03/13/01 (U.S. Nat'l Stage of PCT/US00/14810 filed 05/26/00);
```

**PATENT** 

09/979,952 filed 04/09/02 (U.S. Nat'l Stage of PCT/US00/15239 filed 06/01/00); issue fee paid 01/28/05; and,

09/980,568 filed 03/12/02 (U.S. Nat'l Stage of PCT/US00/15302 filed 06/01/00).

Applicant also cites the following copending applications directed to related subject matter but subject to different assignment:

10/010,942 filed 12/06/01; 10/789,273 filed 02/27/04; 10/232,030 filed 08/30/02; 10/010,942 filed 12/06/01; 10/388,389 filed 03/12/03; 10/703,713 filed 11/07/03; 10/704,070 filed 11/07/03; 10/388,214 filed 03/12/03: 10/858,855 filed 06/01/04; 10/771,174 filed 02/04/04. 60/622,525 filed 10/26/04; 60/636,684 filed 12/15/04; 60/636,842 filed 12/15/04; 60/637,253 filed 12/16/04; 60/636,810 filed 12/15/04; 60/637,138 filed 12/16/04; 60/636,776 filed 12/15/04; 60/636,687 filed 12/15/04.

Applicant further cites the following commonly owned abandoned applications directed to related subject matter:

60/067,740 filed 12/02/97; 60/080,970 filed 04/07/98; 60/067,219 filed 12/03/97; 60/079,697 filed 03/27/98;

**PATENT** 

```
09/204,838 filed 12/03/98;

09/724,921 filed 11/28/00;

09/724,929 filed 11/28/00;

60/137,010 filed 06/01/99;

60/251,892 filed 12/06/00;

60/137,047 filed 06/01/99;

60/136,655 filed 05/28/99; and

09/723,544 filed 11/28/00.
```

Applicant also cites the following abandoned application directed to related subject matter but subject to different assignment:

```
60/251,892 filed 12/06/00;
60/474,654 filed 05/30/03;
60/530,481 filed 12/17/03;
60/444,150 filed 02/01/03; and,
60/363,751 filed 03/12/02.
```

Applicant points out that the following applications are now commonly assigned but were previously subject to different assignment than the present application:

```
60/067,219 filed 12/03/97;
60/079,697 filed 03/27/98;
09/204,838 filed 12/03/98;
09/724,921 filed 11/28/00; and,
09/724,929 filed 11/28/00.
```

Applicant understands the Examiner can access papers from the prosecution of the cited cases electronically via PALM. However, if the Examiner has difficulty obtaining papers from that source he or she is invited to call the undersigned who will be happy to supply them.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant

Page 6

PATENT

information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Rosemarie L. Cell Reg. No. 42,397

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 650-326-2400 Fax: 650-326-2422

RLC:crf 60497941 v1

Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE				Application Number	09/724,288	
				Filing Date	November 28, 2000	
SIA	STATEMENT BY APPLICANT			First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner			
Sheet	1	of	8	Attorney Docket Number	15270J-004765US	

			U.S. PATENT DO	JCUMEN 15+	
Examiner Initiala*	Cite No.	Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
_	578	6,875,434	04-05-2005	Schenk	Appear
	577	6,866.849	03-15-2005	Schenk	
	575	6,866,850	03-15-2005	Schenk	
	_ 576	6.818,218	11-16-2004	Schenk	
	563	6,787,637	09-07-2004	Schenk et al.	
	572	6,761,888	07-13-2004	Schenk	
]	562	6,750,324	06-15-2004	Schenk et al.	
	<b>673</b>	5,743,427	06-01-2004	Schenk	
	444	2004/0043418 A1	03-04-2004	Holtzman et al.	
	544	2003/0147882 A1	08-07-2003	Solomon et al.	
	453	2002/0058267 A1	05-16-2002	Ozenberger et al.	<del></del>
	511	6,331,440	12-18-2001	Nordstedt, et al.	
	516	6,261,569	07-17-2001	Comis et al.	
	452	6.218,506 B1	04-17-2001	Krafft et al.	
	510	6,022,859	02-08-2000	Klessling, et al.	
	512	5,891,991	04-06-1999	Wasco et al.	
	445	5,854.215	12-29-1998	Findels et al.	
	446	5,817,626	10-06-1998	Findeis et al.	
	451	5,766,846	06-16-1998	Schlossmacher et al.	
	515	5,652,334	07-29-1997	Roberts	
	574	5.576,184	11-19-1996	Better et al.	
	513	5,514,548	05-07-1996	Krebber et al.	<del></del>
	514	5,470,951	11-28-1995	Roberts	
<del></del> -	543	5,278,049	01-11-1994	Baker et al.	
——- <del> -</del> -	548	5.096,706	03-17-1992	Flint	
	570	4,912,206	03-27-1990	Goldgaber et al.	
<del>-  </del>					
<del>  </del>	<del>-</del>				
<del></del>	<del> </del> -				
<del></del>	<del></del>				
<del></del>	-				
<del>-  </del>			·····		
		-			
		-			

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant, <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at <a href="https://www.uspto.gov/">www.uspto.gov/</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emparor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to 60497941 v1

Substitute for form 1449A/PTO				Complete If Known		
INFORMATION DISCLOSURE				Application Number	09/724,288	
				Filing Date	November 28, 2000	<del>.</del>
STA	STATEMENT BY APPLICANT			First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(use as many sheets as necessary)		Examiner Name	Sharon L. Turner			
Sheet	_ 2	of	8	Attorney Docket Number	15270J-004765US	

Examiner	Cite	For	eign Palont Docume		TENT DOCUME		Pages, Columns, Lines,	T
Initials*	No.1	Country Code <sup>3</sup>	Number <sup>4</sup> Kin	d Code <sup>t</sup> (# k/town)	Publication Date MM-DD-YYYY	Name of Patentes or Applicant of Cited Document	Where Relevant Pessages or Relevant Figures Appear	١,
	533_	AU_	199870091		07-01-1999			Ī
	523	EP_	752 886	B1	01-28-1998			1 2
	579	wo	04/031400	A2	04-15-2004			T ē
_	571	wo	04/13172	A2, A3	02-12-2004			十
	443	wo	03/74081	A1	09-12-2003			li
	447	wo	03/51374	A2	08-26-2003			╁
	458	WQ	02/60481	A1	08-08-2002	· · · · · · · · · · · · · · · · · · ·		
	457	wo	02/46237	A1	06-13-2002	· · · · · · · · · · · · · · · · · · ·		
	557	wo	02/88307	A2	11-07-2002			
	556	wo	02/88306	A2	11-07-2002			
	456	wo	02/21141	A2	03-14-2002			ĻĘ
	450	WO	01/18169	A3	03-15-2001			<del> </del> ⊢¦
1	455	WO	01/10900	A2	02-15-2001			
	529	wo	00/68263	A2	11-16-2000			Ę
	519	WO	00/26238	A2	05-11-2000			딛
	555	wo	00/23082	A1	04-27-2000			
	522	wo	00/20027	A2	04-13-2000	_		
}	526	wo	99/06587	A2	02-11-1999			
	454	wo	98/33815	A1	08-06-1998			
	520	wo	98/22120	A1	05-28-1998	-	<del></del>	닏
	530	wo	98/08868	A1	03-05-1998			
	521	WO	98/05350	A1	02-12-1998			누
	525	WO	98/02462	A1	01-22-1998			-
	527	WO	97/32017	A1	09-04-1997		<del></del>	┾
	528	wo	97/08320	A1	03-06-1997	<del></del>		-
$\rightarrow$	532	wo	96/37621	A2	11-28-1996	<del></del>		Ħ
·	518	wo	95/23166	A1	08-31-1995			H
	531	wo	95/08999	A1	04-06-1995		<del>-</del>	岩
<del></del>	524	wo	95/05393	A2	02-23-1995			꿈
	517	WO	94/05311	A1	03-17-1994	_		Ħ

Eve	miner		
	nature	Date	
ب		Considered	į l

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*Kind Codes of U.S. Patent Documents at <a href="https://www.usoto.gov">www.usoto.gov</a> or MPEP 801.04. \*Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Skind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 18 if possible, \*Applicant is to 60497941 v1

Substitute for form 1449B/PTO				Complete if Known		
INFOR	MATIO	N DISC	I OSLIDE	Application Number	09/724,288	
INFORMATION DISCLOSURE				Filing Date	November 28, 2000	
STATEMENT BY APPLICANT			LICANI	First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(us	(use as many sheets as necessary)		Examiner Name	Sharon L. Turner		
Sheet	3	of	8	Attorney Docket Number	15270J-004765US	

	<del>,                                     </del>	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	,
	448	ANDREW et al., Current Protocols in Immunology, 2.7.1-2.9.8, John Wiley & Sons, Inc. (1997).	
	484	ARENDIASH et al., "Behavioral assessment of Alzheimer's transgenic mice following long-term Aβ vaccination: Task specificity and correlations between Aβ deposition and spatial memory," <u>DNA and Cell Biology</u> , 20(11):737-744 (2001).	
	485	BACSKAI et al., "Imaging of amyloid-β deposits in brains of living mice permits direct observation of clearance of plaques with immunotherapy," Nature Medicine, 7(3):369-372 (2001).	
	504	BALBACH et al., "Amyloid fibril formation by Aβ <sub>1022</sub> , a seven-residue fragment of the Alzheimer's β-amyloid peptide, and structural characterization by solid state NMR." <u>Biochemistry</u> , 39:13748-13759 (2000).	
	550	BARD et al., "Epitope and isotype specificities of antibodies to <i>B</i> -amyloid peptide for protection against Alzheimer's disease-like neuropathology," PNAS, 100(4):2023-2028 (2003).	-
	540	BENKIRANE, et al, "Antigenicity and Immunogenicity of Modified Synthetic Peptides Containing D- Amino Acid Residues," J. Blol. Chem., 268(23):26279-26285 (1993).	
_	461	BURDICK et al., "Assembly and aggregation properties of synthetic Alzheimer's A4/β arrytoid peptide antigens," J. Biol. Chem., 267:543-555 (1992).	
	542	CHISHTI et al., "Early-onset Amyloid Deposition and Cognitive Deficits in Transgenic Mice Expressing a Double Mutant Form of Amyloid Precursor Protein 695," J. Biol.Chem., 276(24):21562-70 (2001).	
	566	CHOTHIA et al., "Domain Association in Immunoglobulin Molecules," J. Mol. Biol., 186:651-683 (1985).	
	509	CIRRITO et al., "Amyloid B and Alzhelmer disease therapeutics: the devil may be in the details," <u>J.</u> Clin. Invest112:321-323 (2000).	
	462	CO et al., "Chimeric and humanized antibodies with specificity for the CD33 antigen," <u>J. Immunol</u> , 148:1149-1154 (1992).	
	541	CRIBBS et al, "All-D-Erantiomers of Beta-Amyloid Exhibit Similar Biological Properties to All-L-Beta-Amyloids," J. Biol. Chem., 272:7431-7436 (1997).	
	469	DEMATTOS et al., "Peripheral anti-As antibody alters CNS and plasma clearance and decreases As burden in a mouse model of Alzheimer's disease," PNAS, 98(15):8850-8855 (2001).	
	493	DEMATTOS et al., "Plaque-associated disruption of CSF and plasma amyloid-β (Aβ) equilibrium in a mouse model of Alzheimer's disease," J. Neurochem., 81:229-236 (2002).	_
	486	DICKEY et al., "Duration and specificity of humoral immune responses in mice vaccinated with the Alzheimer's disease-associated β-amyloid 1-42 peptide," DNA and Cell Biology, 20(11):723-729 (2001).	_

Examiner	_	Date	
Signature	į		
Olgrinitire		Considered	,

EXAMINER: Initial if reference considered, whether or not ditation is in conformance with MPEP 809. Draw line through ditation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique dilation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	r form 14498/I	РТО		Complete if Known		
INFOR	ΜΔΤΙΩ	N DISC	LOSURE	Application Number	09/724,288	
			PLICANT	Filing Date	November 28, 2000	
SIAIC	IAI E LA I	DIAP	PLICANI	First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(h2	(use as many sheets as necessary)			Examiner Name	Sharon L. Turner	
Sheet	4	of	8	Attorney Docket Number	15270J-004765US	

	7	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), little of the article (when appropriate), little of the Item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or counter whose whose states.	7
	475	EL-AGNAF et al., 'The influence of the central region containing residues 19-25 on the aggregation properties and secondary structure of Alzheimer's beta-amyloid peptide," <u>Eur. J. Blochem.</u> , 256(3):560-569 (1998).	
'	501	ESLER et al., "Point substitution in the central hydrophobic cluster of a human β-amyloid congener disrupts peptide folding and abolishes plaque competence," <u>Biochemistry</u> , 35:13914-13921 (1996).	
	539	FINDEIS et al, "Modified peptide inhibitors of amyloid B-peptide polymerization," <u>Blochemistry</u> , 38:6791-6800 (1999).	
	464	FLOOD et al., "An amyloid β-Protein fragment, A β [12-28J, equipotently impairs post-training memory processing when injected into different limbic system structures," <u>Brain Res</u> , 663(2):271-276 (1994).	
	538	FLOOD, et al. "Topography of a binding site for small amnestic peptides deduced from structure-activity studies: Relation to amnestic effect of amyloid B protein," PNAS, 91:380-384 (1994).	-
_	565	FRAZER et al., "Immunoglobulins: Structure and Function," chapter 3, pages 37-74 from Fundamental Immunology, fourth edition, W.E. Paul, eds., Lippincott-Raven publishers, Philadelphia (1999).	
	463	GHISO et al., "Epitope map of two polyclonal antibodies that recognize amyloid lesions in patients with Alzheimer's disease," Biochem. J., 282 (Pt 2):517-522 (1992).	
	470	GIULIAN et al., "Specific domains of β-amyloid from Alzhelmer plaque efficit neuron killing in human microglia," <u>J Neurosci</u> , 16 (19):6021-6037 (1996).	
	503	GOREVIC et al., "Ten to fourteen residue peptides of Alzheimer's disease protein are sufficient for amyloid fibril formation and its characteristic X ray diffraction pattern" Biochem. and Biophy. Res. Commun. 147(2):854-862 (1987).	
	487	HAASS et al., "Protofibrils, the unifying toxic molecule of neurodegenerative disorders?," Nature Neuroscience, 4(9):859-860 (2001).	
	476	HE et al., "Humanization and pharmacokinetics of a monoclonal antibody with specificity for both E- and P- selectin," <u>J. Immunol</u> , 160:1029-1035 (1998).	
	473	HILBICH et al., "Aggregation and secondary structure of synthetic amytold βA4 peptides of Alzheimer's disease," J. Mol. Bloj., 218:149-163 (1991).	
	471	HILBICH et al., "Substitutions of hydrophobic amino acid reduce the amyloidogenicity of Alzheimer's disease pA4 peptides" J. Mol. Biol., 228:460-473 (1992).	
	534	HOCK et al "Antibodies against <i>B</i> -Amyloid Stow Cognitive Decline in Alzheimer's Disease," Neuron, 35:542-554 (2003).	
	546	IRIZARRY et al., "A\$ Deposition is Associated with Neuropil Changes, but not with Overt Neuronal Loss in the Human Amyloid Precursor Protein V717F (PDAPP) Transgenic Mouse," J. Neuroscience, 17(18):7053-7059 (1997).	_

Examiner	
I SAGRANICA I	
Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw the through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute for	r form 1449B/I	PTQ		Complete if Known		
INFOR	ΜΔΤΙΩ	N DISC	LOSURE	Application Number	09/724,288	
			PLICANT	Filing Date	November 28, 2000	
SIAIL	IAIELAI	DI API	LICANI	First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(us	(use as many sheets as necessary)			Examiner Name	Sharon L. Tumer	
Sheet 5 of 8				Attorney Docket Number	15270J-004765US	

		NON PATENT LITERATURE DOCUMENTS	٠
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(e), publisher, city and/or country where published.	7
	449	JOHNSON-WOOD et al., "Amyloid precursor protein processing and A84 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94:1550-1555 (1997).	
	547	KAYED et al., "Conformational Transitions of Islet Amyloid Polypeptide (IAPP) in Amyloid Formation In Vitro," J. Mol. Biol., 287:781-796 (1999).	-
	554	KETTLEBOROUGH et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance of framework residues on loop conformation," <u>Protein Engineering</u> , 4(7):773-783 (1991).	-
	488	KLEIN et al 'Targeting small Aß ofigomers: the solution to an Alzhelmer's disease conundrum?,' Trends in Neurosciences, 24(4):219-224 (2001).	_
	494	KOTILINEK et al., "Reversible memory loss in a mouse transgenic model of Alzheimer's disease," J. Neurosci., 22(15):6331-6335 (2002).	_
-	465	KOUDINOV et al., "The soluble form of Alzheimer's amyloid beta protein is complexed to high density lipoprotein 3 and very high density lipoprotein in normal human plasma," Biochem. & Biophys. Res. Comm. 205:1164-1171 (1994).	
	478	KUO et ai., "High levels of circulating Abeta42 are sequestered by plasma proteins in Alzhelmers disease," <u>Biochem. Bjophys. Res. Comm.</u> , 257(3):787-791 (1999).	_
_	477	LAMBERT et al., "Diffusible, nonfibrillar ligands derived from Aβ1-42 are potent central nervous system neurotoxins." PNAS, 95:6448-6453 (1998).	
	489	LAMBERT et al., "Vaccination with soluble A6 oligomers generates toxicity-neutralizing antibodies," J. Neurochem., 79:595-605 (2001).	
	490	LEE et al., "Aβ immunization: Moving Aβ peptide from brain to blood," PNAS, 98(16):8931-8932 (2001).	
	553	LEMERE et al., "Intranasal immunotherapy for the treatment of Alzheimer's disease: Escherionia colf. LT and LT (R192G) as mucosal adjuvants," Neurobiology of Aging, 23(6):991-1000 (2002).	
	551	LEVERONE et al., "A81-15 is less immunogenic than A81-40/42 for intranasal immunization of wild-type mice but may be effective for boosting," Vaccine, 21:2197-2208 (2003).	
	459	LEVITT, M., "Molecular dynamics of native protein," J. Mol., Biol., 168:595-620 (1983).	_
	481	LEVY et al "Immunization for Alzheimer's disease; A shot in the arm or a whiff?," American Neurological Assoc, 48:553-554 (2000).	_
	499	LUE et al., "Soluble β-amyloid Peptide Concentration as a Predictor of Synaptic Change in Alzheimer's Disease," Am. J. Pathol., 155:853-562 (1999).	

( ·	
Examiner	Date
Signature	Date
Conditions	Considered
EVALUED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Substitute fo	r form 1449B/F	т¢		Complete if Known		
INFOR	MATIO	N DISC	CLOSURE	Application Number	09/724,288	
			PLICANT	Filing Date	November 28, 2000	
VIAIL		D I AP	PLICANT	First Named Inventor	Schenk, Dale B.	
				Art Unit	1647	
(us	(use as many sheets as necessary)			Examiner Name	Sharon L. Turner	
Sheet	6	of	8	Attorney Docket Number	15270J-004765US	

	_	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	7
	502	MAGGIO et al., "Brain Amyloid - A Physicochemical Perspective," Brain Pathology, 6:147-162 (1996).	
	545	MASLIAH et al., "Comparison of Neurodegenerative Pathology in Transgenic Mice Overexpressing V717F β-Amyloid Precursor Protein and Alzhelmer's Disease," <u>J. Neuroscience</u> , 16(18):5795-5811 (1996).	
	479	MCLEAN et al., "Soluble pool of Aβ amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease." <u>Amer. Neurological Assoc</u> , 46:860-866 (1999).	
	482	NASLUND et al., "Correlation between elevated levels of amyloid β peptide in the brain and cognitive decline," J. Am. Med. Assoc., 283:1571 (2000).	
·	568	NOVOTNY et al., "Structural invariants of antigen binding: Comparison of Immunoglobulin V <sub>L</sub> -V <sub>H</sub> and V <sub>L</sub> -V <sub>L</sub> domain dimmers," <u>PNAS</u> , 82:4592-4596 (1985).	
	564	PCT Search Report of 12/14/04 for application PCT/US04/02856	
	491	PODUSLO et al., "Permeability of proteins at the blood-brain barrier in the normal adult mouse and double transgenic mouse model of Alzheimer's disease," Neurobiol, Dis., 8(4):555-567 (2001).	_
	460	QUEEN et al., "A humanized entitody that binds to the interleukin 2 receptor," <u>PNAS</u> , 86:10029-10033 (1989).	
	497	RAGUSI et al., "Redistribution of Impramine from Regions of the Brain Under the Influence of Circulating Specific Antibodies," J. Neurochem., 70(5):2099-2105 (1998).	_
	466	SCHWARZMAN et al., "Transthyretin sequesters amyloid β protein and prevents amyloid formation,"  PNAS, 91:8368-8372 (1994).	
	536	SELA et al, "Different roles of D-amino acids in immune phenomena," <u>FASEB J</u> , 11(6):449-456 (1999)	
	552	SIGURDSSON et al., "Immunization with a Nontoxic/Nonfibrillar Amyloid-& Homologous Peptide Reduces Alzhelmer's Disease-Associated Pathology in Trasngenic Mice," Am. J. Pathology, 159(2):439-447 (2001).	
	505	SIMMONS, L., "Secondary structure of amyloid β peptide correlates with neurotoxic activity in vitro," Molecular Pharmacology, 45:373-379 (1994).	
	549	SOLOMON, 6 "Immunological approaches as therapy for Alzheimer's disease," Expert Opin, Biol. Ther., 2(8):907-917 (2002).	_
	508	SOTO et al., "The $\alpha$ -helical to $\beta$ -strand transition in the amino-terminal fragment of the amyloid $\beta$ -peptide modulates amyloid formation," J. Biol. Chem., 270(7):3053-3067 (1995).	_

( -		
Examiner	0-1-	
Cianon	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whother or not citation is to conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Superitie to	r form 1449B/	סזי		Complete if Known		
INFOR	ΜΔΤΙΩ	N DISA	CLOSURE	Application Number	09/724,288	
				Filing Date	November 28, 2000	
STATEMENT BY APPLICANT				First Named Inventor	Schenk, Dale B.	
			•	Art Unit	1647	
(us	(use as many sheets as necessary)			Examiner Name	Sharon L. Turner	
Sheet	7 of 8		Attomey Docket Number	15270J-004765US		

	T	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
	496	STRBAK et al., "Passive Immunization and Hypothalamic Peptide Secretion", Neuroendocrinology, 58:210-217 (1993).	T
	498	SUO et al., "Soluble Alzhelmers β-amyloid constricts the cerebral vasculature in vivo" Neuroscience Letters, 257:77-80 (1998).	Ť
	467	TABATON et al., "Soluble amyloid β-protein is a marker of Alzheimer amyloid in brain but not in cerebrospinal fluid," <u>Riochem. and Biophys. Res. Comm.</u> , 200(3):1598-1603 (1994).	†
•	472	TELLER et al., "Presence of soluble amyloid β-peptide precedes amyloid plaque formation in Down's syndrome" Nature Medicine, 2(1):93-95 (1996).	╁
	500	TJERNBERG et al., "A molecular model for Alzheimer amyloid β-peptide fibril formation," J. Biol. Chem., 274(18):12619-12625 (1999).	ļ
	537	TJERNBERG, et al, "Controlling amyloid beta-peptide fibril formation with protease-stable ligands," J. Biol Chem. 272(19):12601-12605 (1997).	-
	492	TOWN et al., "Characterization of murine immunoglobulin G antibodies against human amyloid-β <sub>1-2</sub> " Neurosci. Lett, 307:101-104 (2001).	
	535	VAN REGENMORTEL et al, "D-peptides as immunogens and diagnostic reagents," <u>Curr. Opin.</u> <u>Biotechnol.</u> , 9(4):377-382 (1998).	
	569	VERSHIGORA A. E. OBSHCHAYA IMMYNOLOGIYA, pages 35, 229-231 and 152-153.	
	480	WANG et al., "The levels of soluble versus insoluble brain Aß distinguish Alzheimer's disease from normal and pathologic aging," Experimental Neurology, 158:328-337 (1999).	<u> </u>
	495	WANG et al., "Soluble oligomers of B armyloid (1-42) Inhibit long-term potentiation but not long-term depression in rate dentate gyrus," Brain Research, 924:133-140 (2002).	
	474	WINTER et al., "Humanized antibodies" Immunology Today, 14(6):243-246 (1996).	
	468	WISN/EWSKI et al., "Alzhelmer's disease and soluble A beta," Neurobiol. Aging, 15(2):143-52 (1984).	
	506	WOOD et al., "Prolines and amyloidogenicity in fragments of the Atzheirner's peptide β/A4" <u>Biochemistry</u> , 34:724-730 (1995).	
	567	WU et al., "An Analysis of the Sequences of the Variable Regions of Bence Jones Proteins and Myeloma Light Chains and their Implications for Antibody Complementarity"," J. Exp. Med., 132:211-250 (1970).	
	507	XU et al., "Increased incidence of anti-β-amyloid autoantibodies secreted by Epstein-Barr virus transformed B cell lines from patients with Alzhalmer's disease," Mechanisms of Ageing and Development, 94:213-222 (1997).	

<b>-</b>			
Examiner		D-4-	
Cianatian		Date	· ·
Signature		Considered	
	——————————————————————————————————————	Considered	
TEVALUNION, 1 111	1.22		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to piece a check mark here if English tanguage Translation is attached.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)				Application Number	09/724,288
				Filing Date	November 28, 2000
				First Named Inventor	Schenk, Dale B.
				Art Unit	1647
				Examiner Name	Sharon L. Tumer
Sheet	8	of	8	Attorney Docket Number	15270J-004765US

Examiner Initials	Cite No.1	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т:
	483	ZLOKOVIC et al., "Clearance of amyloid β-peptide from brain: transport or metabolism?," Nature Medicine, 6(7):718-719 (2000).	
	580	ZLOKOVIC et al "Giycoprotein 330/megalin; probable role in receptor-mediated transport of apolipoprotein J alone and in a complex with Alzheimer disease amyloid beta at the blood-brain and blood-cerebrospinal fluid barriers," PNAS, 93(9):4229-4334 (1998) abstract only.	-

Examiner	Date	
Signature		
	 Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.